

APPLICATION FOR THE CLEAN OHIO CONSERVATION FUND

9/27/01

SUMMARY SHEET

Application deadline is 4:00 pm on July 14, 2006 – No Exceptions

IMPORTANT: Please consult the "Instructions for Completing the Project Application" for assistance with this form.

APPLICANT: City of Loveland CODE #061 - 45108  
(If Unknown Call OPWC)

DISTRICT NUMBER: 2 COUNTY: Hamilton DATE 07 /14 /2006

CONTACT: Mr. Thomas Carroll PHONE # ( 513 ) 683-0150 (THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE DURING BUSINESS HOURS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX: ( 513 ) 583-3040 E-MAIL: tcarroll@lovelandoh.com

PROJECT NAME:

The Loveland Wellhead Protection Project

ELIGIBLE APPLICANT

(Check Only 1)

- ☐ A. County (1)
- ☒ B. City (2)
- ☐ C. Township (3)
- ☐ D. Village(4)
- ☐ E. Conservancy District (6)
- ☐ F. Soil & Water Conservation District (7)
- ☐ G. Joint Recreational District (8)
- ☐ H. Park District/Authority (9)
- ☐ I. Nonprofit Organization (10)
- ☐ J. Other (11)

PROJECT TYPE

(Check Largest Component)

- ☒ A. Open Space (7)
- ☐ B. Riparian Corridor (8)

PRIMARY PROJECT EMPHASIS A

(Choose a category from Attachment A which most closely describes your primary project emphasis.)

2006 JUL 14 PM 3:40  
OFFICE OF NEW BURLINGTON  
COUNTY ENGINEER

ESTIMATED TOTAL

CLEAN OHIO CONSERVATION

PROJECT COST (from 1.1f): \$ 568,650.00 FUNDING REQUESTED: (from 1.2e) \$ 392,369.00

NRAC APPROVAL - To be completed by the NRAC Committee ONLY

GRANT: \$

FOR OPWC USE ONLY

PROJECT NUMBER: APPROVED FUNDING: \$

Local Participation % Project Release Date:

Clean Ohio Fund Participation %

1.0 Project Financial Information

1.1 Project Estimated Costs: \$568,650

1.2 TOTAL DOLLARS

a.)	Acquisition Expense:	\$560,000	
	Fee Simple Purchase	\$560,000	
	Easement Purchase	N/A	
	Other	N/A	
b.)	Planning and Implementation:	\$8,650	
	Appraisal	\$1,500	
	Closing Costs	\$500	
	Title Search	\$150	
	Environmental Assessments (Phase I)	\$1500	
	Design	N/A	
	Other Eligible Costs (Survey)	\$5,000	
c.)	Construction or Enhancements of Facilities:	N/A	
d.)	Permits, Advertising, Legal:	N/A	
e.)	Contingencies:	N/A	
f.)	Total Estimated Costs:		\$568,650

1.2 Project Financial Resources

a.)	In-Kind Contributions:	N/A	
b.)	Applicant Contributions (City of Loveland):	\$100,000	
c.)	Other Public Revenue:	0	
	Nature Works	N/A	
	Land Water Conservation Fund	N/A	
	Ohio Environmental Protection Agency	N/A	
	Ohio Water Development Authority	N/A	
	Community Development Block Grant	N/A	
	Ohio Department of Natural Resources	N/A	
	Other	N/A	
d.)	Private Contributions:	\$76,281	
	Landowner Donation	\$74,281	
	Little Miami Inc.	\$1,000	
	Loveland Area Chamber of Commerce	\$1,000	
	Subtotal Local Resources:	\$176,282	31%
e.)	Clean Ohio Conservation Fund:	\$392,369	
	Funds from another NRAC	N/A	
	Subtotal Clean Ohio Resources:	\$392,369	69%
f.)	Total Financial Resources:	\$568,650	100%

1.3 Availability of Local Funds:

See Attached Letter from Loveland’s Chief Financial Officer

2.1 Brief Project Description

a.) Specific Location:

The location of this property sits on the western side of Cones Road as it heads north out of Loveland approximately three quarters of a mile after the road crosses the Little Miami Scenic Bike Path. The property is just outside the Loveland city limits and will be annexed after its purchase. See exhibits (A) and (B).

Project County: Warren

Project Zip Code: 45140

(The City of Loveland is applying in District 2 because the majority of Loveland is in Hamilton County and Loveland has always therefore been considered in Hamilton County for grant purposes)

b.) Project Components

This is an open space acquisition project. Once the property is acquired, The City will protect the habitat by prohibiting any structures or improvements being made to it. The City of Loveland intends on implementing a passive reforestation process by allowing the land to be untouched.

c.) Project Emphasis

This project aims to purchase approximately 8 acres of land immediately next to the Little Miami River that lies within the Loveland Wellhead Protection Area. This will serve two functions for the citizens of Loveland: First, it will provide much valued green space along a federally recognized scenic river. Secondly, it will ensure The City’s drinking water wells are protected from future development. The property to be acquired is within Loveland’s well head protection, see exhibit (B) for wellhead location details.

The attached study from The City’s 2004 Phase II Wellhead Protection Plan shows that three of the top four potential non-point sources of contamination of the Loveland Wells could be avoided with this purchase of land. According to LJB Consulting unsewered areas, home heating oil, and household disposal/auto maintenance all contribute to soil and water contamination. While the acreage to be purchased is currently undeveloped, it is zoned as residential in Hamilton Township. With the purchase and preservation of the property as passive open space, The City will take a significant step towards preventing non-point source contamination in its well head protection area. Thus, this project directly contributes to the implementation of The City’s conservation plans. See exhibits (C), (D), (E), (F), and (G) for LJB data regarding point and non-point source pollution threats.

This project will also aide in maintaining the economic stability that the City of Loveland currently enjoys. Patrons of The City’s drinking water enjoy some the lowest domestic water rates in the region. If the wells were to be compromised

through contamination The City would be forced to treat surface water instead of using our ground water. This would result in a dramatic increase in user fees that could be severely detrimental to the economic viability to the commercial and retail ventures in Loveland. Please see the attachment (H) for our rate comparison study. Note that the City of Cincinnati, which uses mostly treated surface water, significantly higher water rates than the City of Loveland.

The Little Miami River is the longest exceptional warm-water habitat in the State of Ohio. Residents have been lucky enough to see several native endangered animal species along its course – including the Blue Sucker, the Mountain Madtom, and the Northern Madtom. There also have been repeated sightings of threatened species – including the Tonguetied Minnow, the Bigeye Shiner, and the American Eel. ([www.littlemiami.com](http://www.littlemiami.com)). By reducing and minimizing the non-point source pollution along the river by adding green space adjacent to their native habitat, The City of Loveland can facilitate the growth and protection of these species. See exhibit (I) for supporting documentation.

This parcel is not an isolated island of green space that is inaccessible by the residents of Loveland. It is directly across the road from the scenic Miami River Bike Trail that runs from through Loveland from Milford to Springfield in the north. This trail runs directly through our historic downtown and its considerable population center. The acquisition of this property will therefore provide a direct link to other recreation opportunities. Please see the attached map, marked exhibit (J).

The river banks along the Little Miami have eroded greatly over the last decades. While this may be accepted as a course of nature, the City of Loveland would like to avoid exacerbating the situation by preventing construction and development along the existing banks. The current property owner has received a number of solicitations by interested developers whose aims are to place residential units within the flood plane. If these plans proceed, this corridor will never be the same for the residents and visitors of Loveland. See attached corroborating letter from the property owner.

**d.) Define Terms of Easement**

The City of Loveland will own the property fee simple.

**c.) Information Concerning Public Access**

The land to be purchased along this riparian corridor will be available for passive recreation such as fishing and canoeing to the open public. These actions will be open to the public during daylight hours along the northern bank of the river.

**2.2 Ownership/Management/Operation**

The City of Loveland will own the property. As there will be no permanent structures or improvements to the area, there will be minimal maintenance and operation costs. The City of Loveland has a long history of successfully maintaining open space areas of passive recreation – Loveland currently holds over 166 acres of open space. In addition to this demonstrated proficiency, there is stated support by community groups to take the

initiative in conducting any of the minimum maintenance. Thus, additional property will not require any new employee hours to maintain and operate. See attached Parks and Recreation Master Plan documentation, marked exhibit (K).

3.0 Project Schedule:

		Begin Date	End Date
3.1	Planning and Implementation	05/01/2006	07/14/2006
3.2	Land Acquisition/Easements	09/14/2006	12/14/2006
3.3	Site Improvements	N/A	N/A

4.0 Project Officials:

4.1	Chief Executive Officer	Tom Carroll
	Title	City Manager
	Street	120 W. Loveland Ave.
	City/Zip	Loveland, OH 45140
	Phone	(513) 683 0150
	Fax	(513) 583 3040
	E-mail	<a href="mailto:tcarroll@lovelandoh.com">tcarroll@lovelandoh.com</a>
4.2	Chief Financial Officer	William Taphorn
	Title	Director of Finance
	Street	120 W. Loveland Ave.
	City/Zip	Loveland, OH 45140
	Phone	(513) 683 0150
	Fax	(513) 583 3040
	E-mail	<a href="mailto:btaphorn@lovelandoh.com">btaphorn@lovelandoh.com</a>
4.3	Project Manager	Dustin Anderson
	Title	Management Fellow
	Street	120 W. Loveland Ave.
	City/Zip	Loveland, OH 45140
	Phone	(513) 683 0150
	Fax	(513) 583 3040
	E-mail	<a href="mailto:danderson@lovelandoh.com">danderson@lovelandoh.com</a>

5.0    Attachments/Completeness Review:

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## The City of Loveland

To: Joe Cottrill, Hamilton County Engineer's Office

From: Tom Carroll, City Manager

120 W. Loveland Avenue  
Loveland, Ohio 45140

Date: July 14, 2006

Re: Loveland Wellhead Protection Project Clean Ohio Grant Application

In 2004, the City of Loveland commissioned a report by the engineering firm of Lockwood, Jones and Beals, Inc. regarding the City of Loveland's well heads and potential contaminant sources. The findings showed that there were significant threats to our well heads' viability through non-point sources of contamination, such as unsewered homes, home heating oil and residential disposal all around our well head protection area. This was of concern to the City of Loveland and its 4,300 homes that depend on the clean, safe water that our aquifer delivers every day.

The land in question is not currently developed. However, if the City does not take swift and decisive action, the threat of contamination will quickly become a reality that will force us to use surface water at drastically higher rates. Considering that the Loveland residents and business enjoy some of the least expensive water rates in the region, an increase would dramatically and adversely affect our economic health.

Not only would development on this property compromise our wells and drinking water, but it would also dramatically alter the streamside forests and riparian corridor along the Little Miami River. This river is recognized as the longest flowing exception warm water river in the State of Ohio. As such our residents have been lucky enough to see a number of endangered and threatened species.

This open space would provide a wonderful way for residents to experience the outdoors along the Little Miami by fishing, canoeing, kayaking, or any other number of ways to enjoy nature. The parcel of land designated as future open space is along the Little Miami Scenic Bike Trail which runs directly through the City of Loveland and connecting with other neighborhoods and parks along its way south all the way to Milford.

Given the public health, economic, and recreational opportunities that this land stands to protect and provide, it is our pleasure to submit this grant to you. Thank you for your hard work in reviewing these following documents and good luck in your final decision.





## The City of Loveland

120 W. Loveland Avenue  
Loveland, Ohio 45140

July 14, 2006

I, Finance Director of The City of Loveland, hereby certify that The City of Loveland has the amount of \$100,000 in the Water Fund and that this amount will be used to pay the applicant revenues for the Loveland Wellhead Protection Acquisition when it is required.

7-14-06

William Taphorn  
Finance Director  
City of Loveland  
120 West Loveland Ave  
Loveland, OH 45140

Mayor and Council  
513-683-0150  
Fax 513-583-3040

City Manager and  
Development  
513-683-0150  
Fax 513-583-3040

Finance  
and Utilities  
513-683-0150  
Fax 513-583-3055

Building and Zoning  
513-583-3045  
Fax 513-583-3032

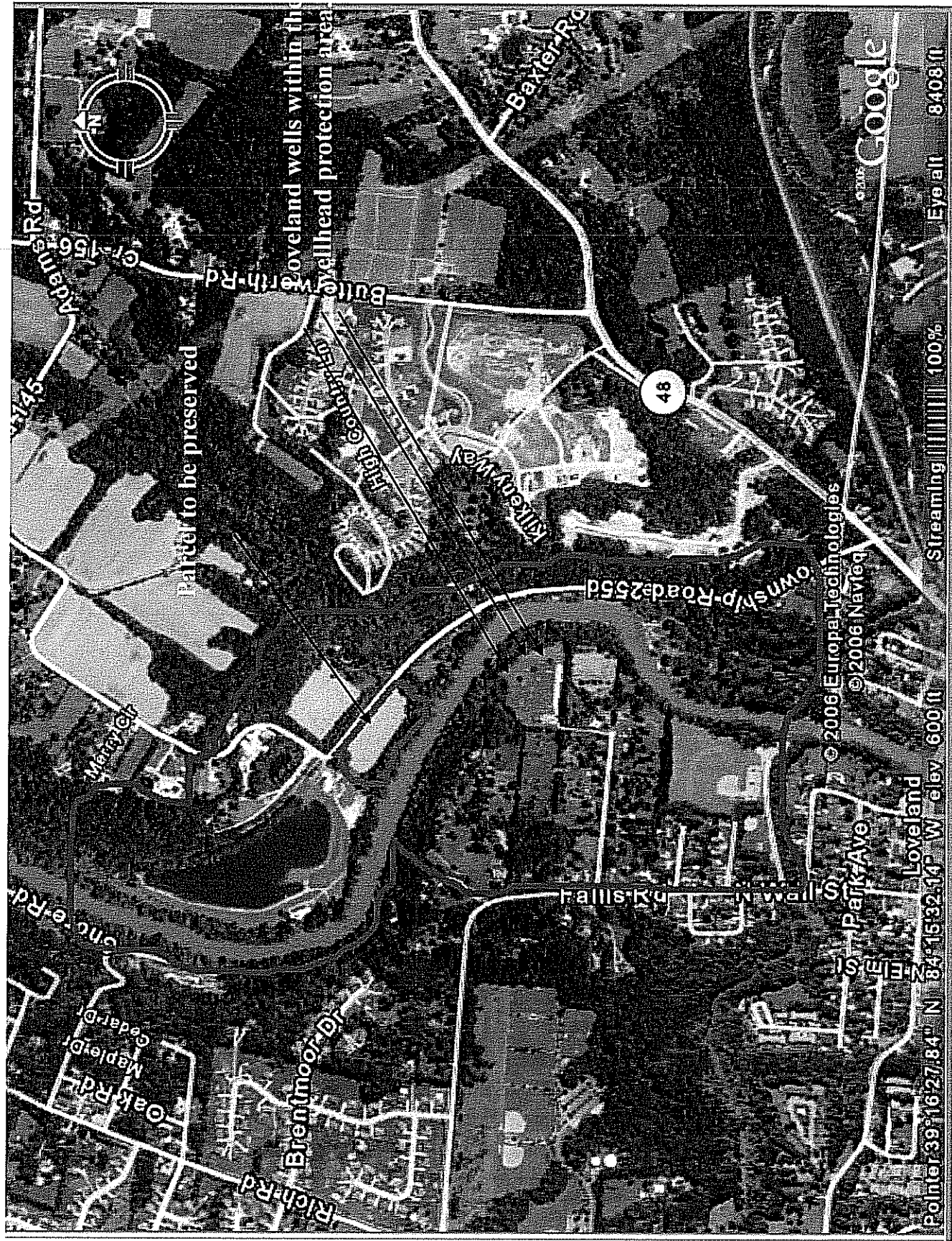
Police and Court  
513-583-3000

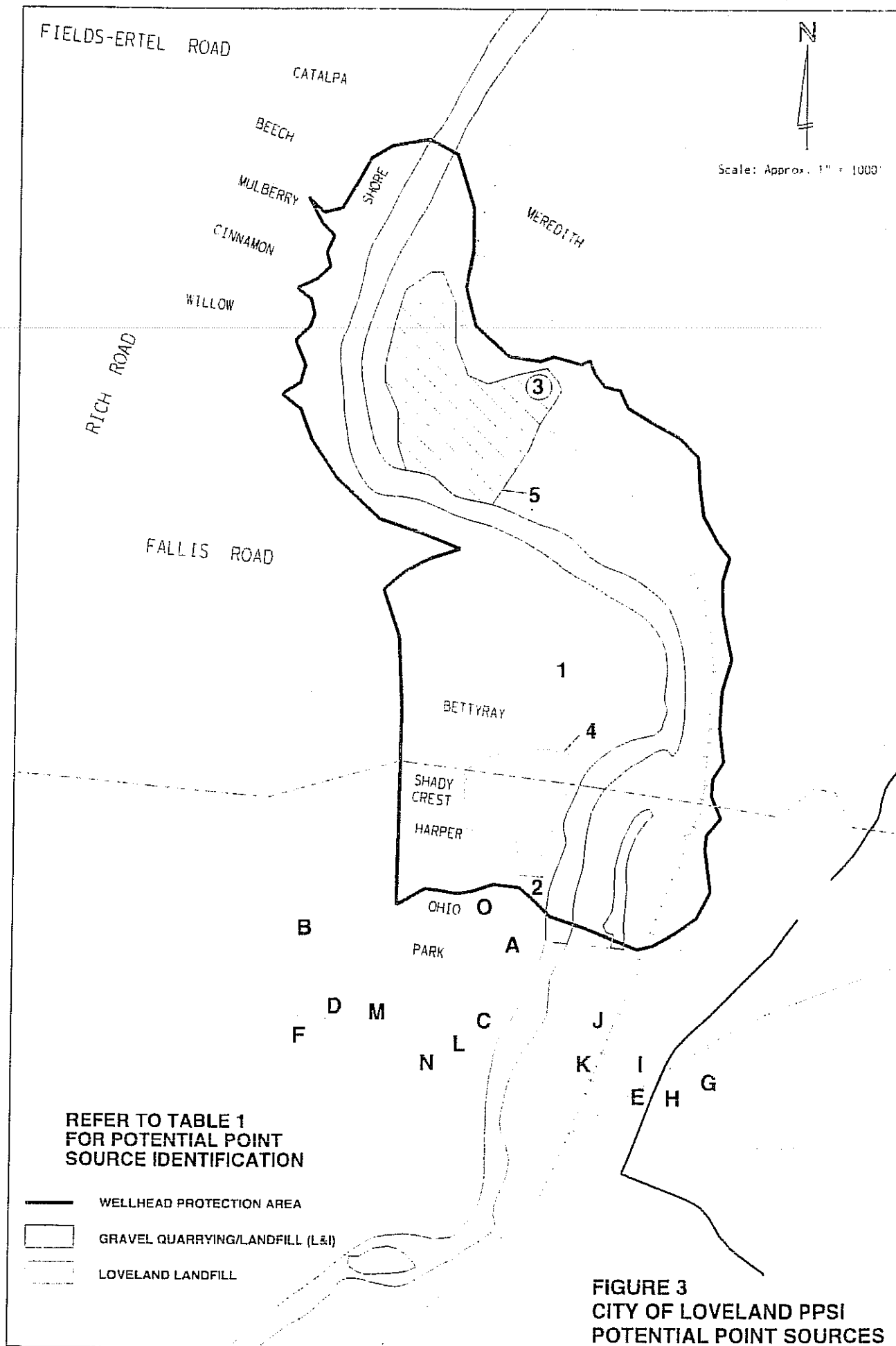
Public Works and  
Recreation  
513-583-3050

Income Tax  
513-583-3035  
Fax 513-583-3037



Exhibit B





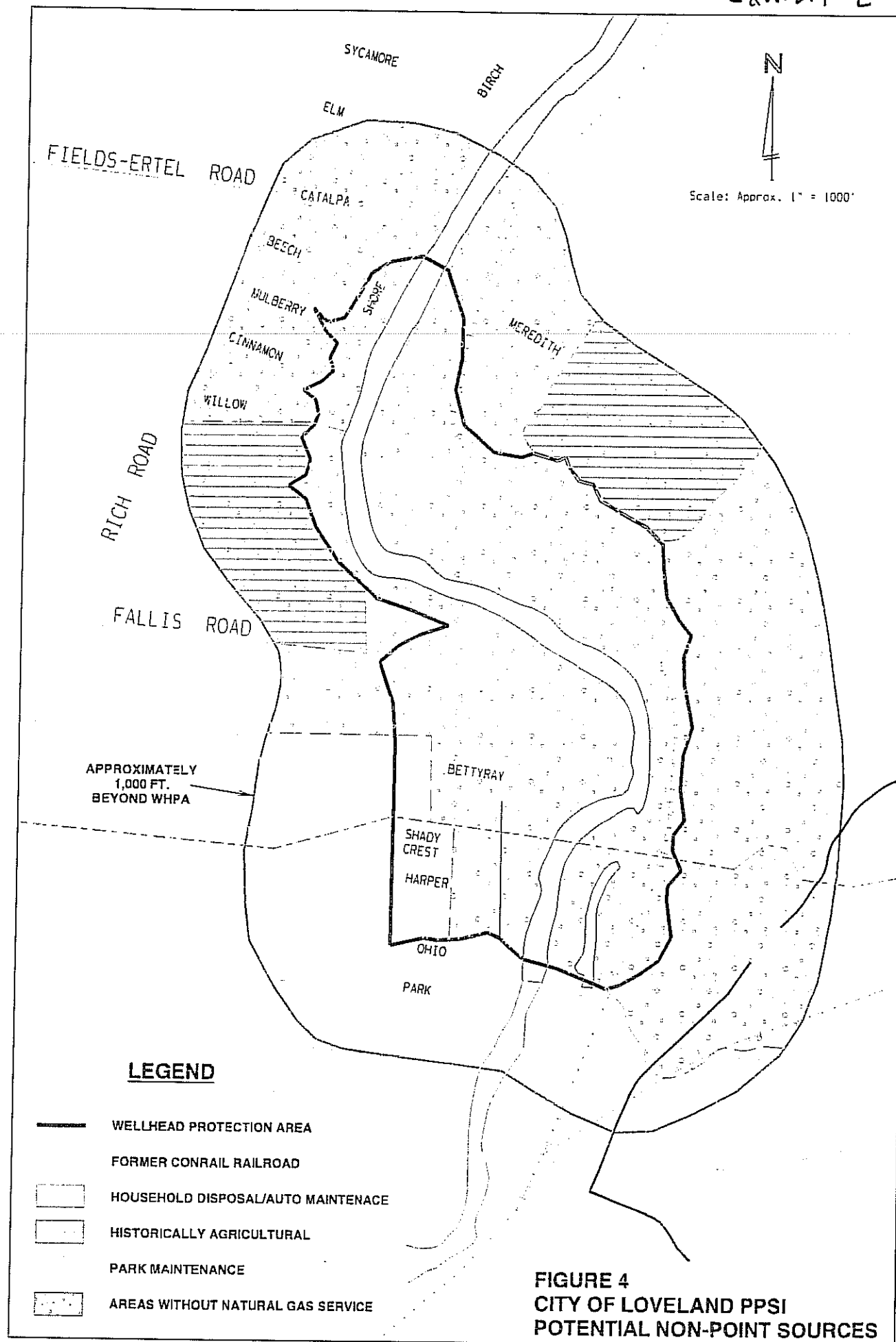


Exhibit F  
Draft Potential Contaminant Source Inventory Report

Table 2: Potential Contaminant Source Prioritization, City of Loveland WHPA

Map Identifier	Potential Source	Location	Release Status	Chemical Use	Total Score	Distance from Wells	Rank
*	Potential Home Heating Oil Areas	3	1	1	5	300 ft	1
4	Loveland Landfill/ Harper Street Landfill	2	1	2	5	900 ft	2
*	Unsewered Areas	3	1	1	5	1,000 ft	3
5	L & I Group	3	0	2	5	1,500 ft	4
3	Michael's Pre-Cast Concrete	3	0	2	5	2,200 ft	5
*	Household Disposal/Auto Maintenance	3	1	1	5	3,500 ft	6
1	Loveland Water Plant	2	0	2	4	At wells	7
E	Loveland Marathon	0	2	2	4	3,000 ft	8
D	Clark Oil Service Station	0	2	2	4	3,400 ft	9
*	Park Maintenance	3	0	0	3	At wells	10
*	Little Miami River	3	0	0	3	200 ft	11
2	Harper Avenue Lift Station	2	1	0	3	1,900 ft	12
*	Agricultural Sources	1	0	2	3	2,000 ft	13
*	Highways	0	0	2	2	1,800 ft	14
L	Funeral Home/Undertaker	0	0	2	2	2,500 ft	15
C	Riverside Property	0	2	0	2	2,900 ft	16
F	Dairy Mart 7525	0	0	2	2	3,700 ft	17
P	Cinnamon & Oak Reported Spill	1	0	1	2	4,200 ft	18
*	Bike Path/Railroad	0	1	0	1	400 ft	19
O	Cincinnati Auto Club	0	1	0	1	1,900 ft	20
A	Riverside Reported Spill	0	1	0	1	2,200 ft	21
J	Harrison Street Auto Repair Facility	0	1	0	1	2,400 ft	22
N	Riverside Avenue Auto Repair	0	1	0	1	2,600 ft	23
K	Hardware Store	0	1	0	1	2,700 ft	24
I	Water Works/Sub Station	0	1	0	1	2,700 ft	25
G	Bulk Oil Station	0	1	0	1	2,800 ft	26
H	2 <sup>nd</sup> Street Auto Repair Facility	0	1	0	1	2,900 ft	27
B	Park Ave Reported Spill	0	1	0	1	3,200 ft	28
Q	Karl Brown Way Reported Spill	0	0	0	0	2,500 ft	29

\* - Indicates a Potential Non-Point Source

Exhibit G

Draft Potential Contaminant Source Inventory Report

Map Identifier Facility Name/Address	Land Use	County/City- Township	Type of Activity	PCS/Comments	General Location	Distance to Well	Source of Information
Section A							
1 Loveland Water Plant 10692 Bettyray Dr. Loveland, Ohio	Water Utility/Parks	Hamilton/Loveland	Former UST Heating Oil AST Equipment Maintenance Chemical storage	Diesel/Heating Oil Oils and paints Herbicides/Pesticides/ Fertilizers	Within WHPA, sidegradient from wells	600 ft	LUST database, windshield survey, Mr. Joe Geers
2 Harper Avenue L/H Station Harper Avenue Loveland, Ohio	Wastewater Utility	Hamilton/Loveland	Diesel UST (closed) Diesel AST Wastewater management	Diesel fuel Sewage contaminants	Within WHPA, downgradient from wells	1,900 ft	BUSTR database and release incident file, USGS Maps, EPA PCS database, windshield survey, Mr. Joe Geers
3 Michael's Pre-Cast Concrete 1917 Adams Road Loveland, Ohio	Industrial	Clermont/Hamilton Township	Manufacture of pre- cast concrete Former and current ASTs	Petroleum oils and fuels Resin acids	Within WHPA, upgradient from wells	2,200 ft	windshield survey, Yellow Pages USA
4 Loveland Landfill/ Harper Street Park Harper Avenue Loveland, Ohio	Current: Park Former: Landfill, Sand and Gravel Pits	Hamilton/Loveland	Ball field Landfill (gravel pit)	Nitrate (fertilizer) Herbicides Pesticides Unknown disposed materials	Within WHPA, downgradient from wells	900 ft	USGS Maps, CERCLIS database, MSL database, windshield survey, Mr. Joe Geers
5 L & I Group/ Gravel Pit 10369 Cones Road Loveland, Ohio	Sand and Gravel Pits Industrial	Clermont/Hamilton	Diesel and Heating Oil ASTs On-site sewage system	Diesel and heating oil Bacteria	Within WHPA, upgradient from wells	1,500 ft	USGS maps, windshield survey, Yellow Pages USA
Section B							
Potential Point Sources Outside But Within 1,000 Feet of the WHPA							
A Reported Spill End of 278 Riverside Loveland, Ohio	Residential	Hamilton/Loveland	Truck engine/fuel system leak	Gasoline	Outside WHPA, downgradient from wells	2,200 ft	Ohio SPILLIS database
B Reported Spill 614 Park Avenue Loveland, Ohio	Residential	Hamilton/Loveland	Damaged Equipment	Diesel Fuel	Outside WHPA, downgradient from wells	3,200 ft	Ohio SPILLIS database
C Riverside Property Loveland & Riverside Loveland, Ohio	Current: Park Former: Retail	Hamilton/Loveland	Former gas station	Petroleum constituents (under remediation)	Outside WHPA, downgradient from wells	2,900 ft	BUSTR database, Sanborn maps, USGS maps
D Clark Oil Service SIn 226 Elm Street Loveland, Ohio	Retail	Hamilton/Loveland	Gas station with reported UST release	Petroleum constituents (present since at least 1972; may have applied for closure permit)	Outside WHPA, downgradient from wells	3,400 ft	BUSTR databases

Draft Potential Contaminant Source Inventory Report

Map Identifier Facility Name/Address	Land Use	County/City- Township	Type of Activity	PCS/Comments	General Location	Distance to Well	Source of Information
E Loveland Marathon 106 W Loveland Ave Loveland, Ohio	Retail	Hamilton/Loveland	Gas Station with reported UST release	Petroleum constituents (present since at least 1946; may have applied for closure permit)	Outside WHPA, downgradient from wells	3,000 ft	BUSTR databases, Sanborn and USGS maps
F Dairy Mart 7525 111 Loveland- Madeira Road Loveland, Ohio	Retail	Hamilton/Loveland	Gas Station with UST release, N/A status, small quantity generator	Petroleum constituents (present since 1982, no "open" releases or RCRA violations)	Outside WHPA, downgradient from wells	3,700 ft	BUSTR databases, RCRIS
G Bulk Oil Station NWC E. Harrison & North 3 <sup>rd</sup> Loveland, Ohio	Industrial	Clermont/Loveland	Historical bulk oil station with gasoline tanks	Gasoline constituents (present approx. 1946)	Outside WHPA, downgradient from wells	2,800 ft	Sanborn and USGS maps
H Auto Repair Facility 112 N 2 <sup>nd</sup> Street Loveland, Ohio	Retail	Clermont/Loveland	Historical auto repair facility	Oils and greases Solvents Petroleum constituents (present 1946-1955)	Outside WHPA, downgradient from wells	2,900 ft	Sanborn and USGS maps
I Water Works/Sub Station 116 N 1 <sup>st</sup> Street Loveland, Ohio	Water & Electrical Utilities	Clermont/Loveland	Historical water works and electrical sub station	PCBs Possible water treatment chemicals (present since at least 1946)	Outside WHPA, downgradient from wells	2,700 ft	Sanborn and USGS maps
J Auto Repair Facility 212 W Harrison St Loveland, Ohio	Retail	Clermont/Loveland	Historical auto repair facility	Oils and greases Solvents Petroleum constituents (present since at least 1946)	Outside WHPA, downgradient from wells	2,400 ft	Sanborn and USGS maps
K Hardware Store 200-212 W Jackson St Loveland, Ohio	Retail	Clermont/Loveland	Historical paint store and hardware work room	Organics/solvents Lead Pigments (Present around 1946)	Outside WHPA, downgradient from wells	2,700 ft	Sanborn map
L Funeral Home/ Undertaker 155 N Riverside Ave Loveland, Ohio	Retail/Service	Hamilton/Loveland	Current funeral home, historical undertaker	Formaldehyde (Present since at least 1946)	Outside WHPA, downgradient from wells	2,500 ft	Sanborn maps, windshield survey
M Filling Station 502 Loveland Avenue Loveland, Ohio	Retail	Hamilton/Loveland	Historical filling station	Petroleum constituents (Present around 1946)	Outside WHPA, downgradient from wells	3,000 ft	Sanborn maps



Draft Potential Contaminant Source Inventory Report

Map Identifier Facility Name/Address	Land Use	County/City- Township	Type of Activity	PCS/Comments	General Location	Distance to Well	Source of Information
N Auto Repair 125 N Riverside Ave. rear Loveland, Ohio	Retail	Hamilton/Loveland	Historical auto repair facility	Petroleum constituents Solvents (Present around 1946- 1953)	Outside WHPA, downgradient from wells	2,600 ft	Sanborn and USGS maps
O Cincinnati Auto Club 400 Park Avenue Loveland, Ohio	Other Urban/Built-Up Land	Hamilton/Loveland	Historical auto club	Petroleum constituents (Present around 1923; no tanks or repair buildings shown)	Outside WHPA, downgradient from wells	1,900 ft	Sanborn maps
P Reported Spill Cinnamon & Oak St off Rich Road	Residential	Hamilton/Symmes	Home heating oil storage	Heating Oil (Spilled in 2001 )	Outside WHPA, upgradient from wells	4,200 ft	Ohio SPILL.S report
Q Reported Spill Little Miami River at Karl Brown Way	River	Clement/Loveland	Motor vehicle accident	Gasoline/motor oil Asphalt mix Firefighting foam (Released in 2001)	Outside WHPA, downgradient from wells	2,500 ft	Ohio SPILL.S report
Potential Non-Point Sources Both Inside and Outside the WHPA							
Section C Park Maintenance Parks on Betzray, Harper, Wall, Rich	Park	Hamilton/Loveland & Symmes Township	Bodley Field Kiwans Park Harper Ave. Park Phillips Park	Nitrate (fertilizer) Herbicides Pesticides	Within and outside WHPA. Upgradient and Sidegradient to wells	At wells	Windshield survey
Unsewered Areas Betzray Drive, Fallis Road/Phillips Park, Shore Drive and East of the Miami River	Residential/ Park/ Industrial	Hamilton/Loveland & Symmes Township Warren/Hamilton and Deerfield Townships	Homes, office, concrete plant and park facilities having on-site septic systems	Bacteria Unknown disposed materials	Within and outside WHPA, upgradient and sidegradient to wells	300 ft	Windshield survey, Mr. Joe Geers, Metro Sewer District representatives
Potential Home Heating Oil Areas All except southwest corner of WHPA and Loveland proper	Residential Parks Industrial	All areas except Loveland	Areas not having natural gas service	Fuel oil	Within and outside WHPA, upgradient and sidegradient to wells	300 ft	Energy maps, windshield survey, site visits
Household Disposal/ Auto Maintenance Between Van Camp Rd and Little Miami River	Residential	Hamilton/Symmes Township	Limited on-site disposal of household waste; apparent on- site auto maintenance	Unknown disposed materials Solvents Petroleum constituents	Within (and outside) WHPA, upgradient from wells	3,500 ft	Windshield survey, site visits
Little Miami River	River	On Hamilton/Warren/ Clement County Line	Potential recharge source for wellfield	Unknown upriver contaminants	Within WHPA, up- side- and downgradient from wells	200 ft	USGS maps, windshield survey
Agricultural Sources West and east of WHPA	Agricultural Cropland	Hamilton/Symmes Township	Historical and some current field cultivation	Herbicides, pesticides, nitrate from fertilizers	Outside WHPA, upgradient from wells	2,000 ft	windshield survey, USGS maps

Draft Potential Contaminant Source Inventory Report

Map Identifier Facility Name/Address	Land Use	County/City- Township	Type of Activity	PCS/Comments	General Location	Distance to Well	Source of Information
Former Railroad/ Bike Path East of Little Miami River	Current: Park Former: Railroad	Warren/Hamilton Township and Warren & Clemon/Loveland	Historical Railroad	Track preservatives, petroleum constituents (Present since prior to 1896)	Inside and outside WHPA, up-, side- and downgradient from wells	400 ft	Sanborn and USGS maps, windshield survey
High-traffic roads and State Route 48	Highways	All areas	Highways	De-icing chemicals, spills	Inside and outside WHPA, up-, side- and downgradient from wells	1,800 ft	USGS maps, windshield surveys, Ohio SPILLIS list

35% below mean Ave

Enon	39.00
Fairfield	45.45
Xenia	51.90
Union	52.63
Fairborn	53.25
Clermont County	53.47
Loveland	53.75
Springfield	54.60
Urbana	56.10
Englewood	57.17
Hamilton	58.80
Oakwood	58.85
Greenville	59.89
Miamisburg	59.91
Mason	62.79
Middletown	65.52
Sidney	65.93
Tipp City	66.37
Waynesville	66.45
Bellefontaine	67.14
Harrison	68.70
Germanstown	69.32
Trenton	70.35
Lebanon	71.67
Dayton	71.82
Warren Co	72.00
South Charleston	77.36
Indian Hill	77.40
Millford	78.75
Centerville (MC)	81.09
Clayton (MC)	81.09
Drexel District (MC)	81.09
Kettering (MC)	81.09
Moraine (MC)	81.09
Moraine District (MC)	81.09
Northridge District (MC)	81.09
Riverside (MC)	81.09
Clark County	81.72
Springboro	83.76
Huber Heights	84.22
Bellbrook	85.50
Lewisburg	85.70
Troy	87.69
Farmersville	89.49
Piqua	89.49
West Carrollton	91.37
Carlisle	92.49
Oxford	92.52
New Lebanon	92.85
Franklin	94.98
Yellow Springs	96.30
Eaton	96.54
New Carlisle	99.90
Vandalia	102.89
Monroe	104.55
West Milton	106.20
Brookville	107.50
Miami County/Troy	108.84
Beavercreek (GC)	112.79
Cedarville (GC)	112.79
Greene County	112.79
Russells Point	113.17
Trotwood	114.93
Butler County	121.53
Washington Court House	126.90
Wilmington	135.60
Jefferson Regional Water Auth	137.85
Miami County/Deercliff	147.09

## YEAR 2006 ANNUAL WATER & SEWER RATE SURVEY WATER COST

Rates are based on 22,500 gallons or 3,000 cubic feet of water in a three month period. Rates quoted are those in effect as of March 1, 2006.

Prepared by the city of Oakwood  
Finance Department

HIGH: \$147.09  
LOW: \$39.00  
MEAN: \$83.31

68 JURISDICTIONS

*Flowing through Southwest Ohio, USA*  
*is the nationally-recognized ...*

**Little Miami National & State Scenic River**

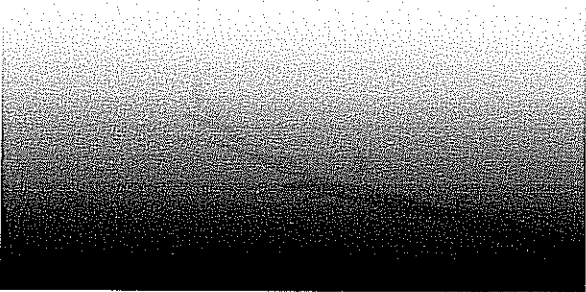


*Riffle on the Little Miami at Miamiville & Indian Hill*

The Little Miami flows through several steep-sloped forested gorges and contain some of Ohio's most scenic and diverse riverine habitats.

The Little Miami Scenic River is 105.5 miles long and contains the longest Exceptional Warmwater Habitat (EWH) segment of any stream or river in Ohio. The watershed occupies 1,757 square miles of land area, includes 133 named streams, and was principally formed by three glacial events.

*Great Blue Herons along the Little Miami at Anderson Township in the early morning mist*



**Currently (1998) listed endangered species found in the Little Miami Scenic River since 1990**

Endangered	Blue Sucker
	Mountain Madtom
	Northern Madtom
Threatened	Tonguetied Minnow
	Bigeye Shiner
	American Eel

Special Interest

River Redhorse  
Least Darter

Sections of the mainstem became Ohio's first state and national designated scenic river in 1969 through 1980.

Land use within the basin is predominantly agricultural, but suburban land uses are rapidly increasing.

The mainstem and larger tributaries are popular retreats for many Ohioans. Seven commercial canoe liveries operate along the mainstem.

Of the 102.1 mainstem miles evaluated by OEPA (Sanders) in 1993, 41% were in FULL attainment of EWH criteria. During the period of 1983-1993, significant progress was made towards restoring the entire length of the mainstem. In 1983 only 1.5 miles of the mainstem were in FULL attainment of the EWH criteria.

Higher than expected number of fish with external deformities, eroded fins, lesions/ulcers, and tumors (AKA DELT anomalies) were collected in the mainstem downstream from many of the Wastewater Treatment Plants (even in sections currently meeting EWH criteria).

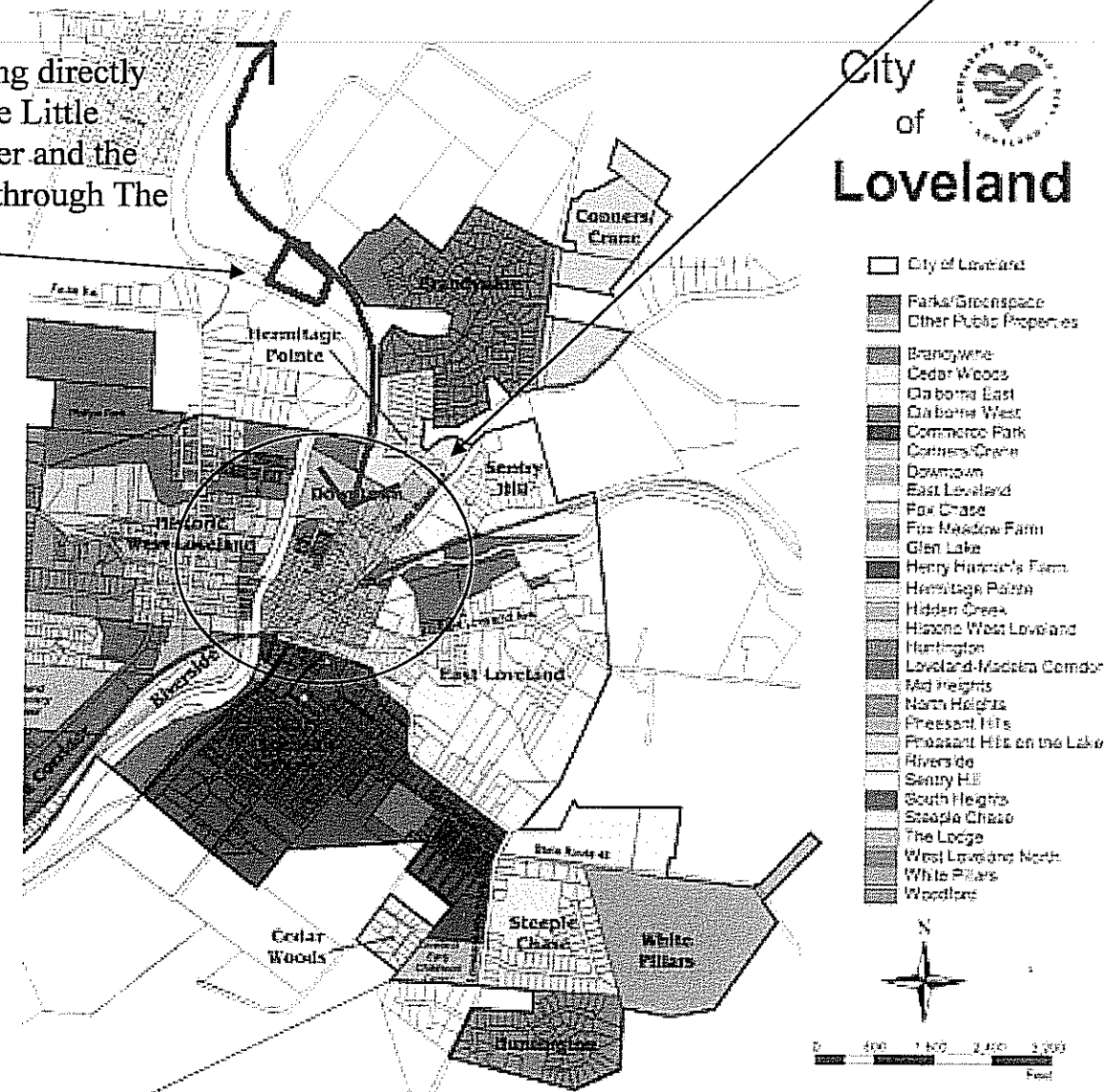
Nonpoint source pollutants, such as silt, manure runoff, and habitat alterations also impact streams through the watershed and pose a threat to the EWH goals. Stream protection measures, such as erosion controls, and improved riparian management and restoration are needed to bring other sections of the mainstem and tributaries into FULL attainment and protect and preserve the existing high quality streams, according to OEPA.

ref: OEPA 1995 (Sanders) , LMI, USGS

Bike Trail leading  
directly into the City  
of Loveland

2003 - Loveland Neighborhood Map

Parcel sitting directly  
between the Little  
Miami River and the  
Bike Trail through The  
City



# Little Miami

**INCORPORATED**

6040 Price Road Milford OH 45150

July 12, 2006

Mr. Tom Carroll  
City Manager  
City of Loveland  
120 West Loveland Avenue  
Loveland OH 45140



Subject: Clean Ohio Grant application for City of Loveland Acquisition of  
Riparian Land along the Little Miami National & State Scenic River

Dear Tom:

I am writing in support of the City of Loveland's Clean Ohio grant application to purchase land along the Little Miami National & State Scenic River.

Little Miami, Inc. (LMI) is a non-profit 501(c)3 river conservation organization dedicated to the conservation of the Little Miami National & State Scenic River, a Class 1 river flowing 105 miles through the rolling terrain of Southwest Ohio, USA. Founded in 1967, 600 families, individuals, foundations and local businesses support LMI's conservation efforts which focus on riparian forest protection and water quality protection

A successful grant application will allow the City of Loveland to preserve about 8 acres of land along the Little Miami Scenic River as undeveloped green space in perpetuity. It is with great pleasure that I write in support of this wonderful project.

To that end we pledge to contribute \$1,000 to the purchase of this property.

The preservation of this riparian land is important to the historic efforts of protection and restoration of the Little Miami Scenic River Ecosystem. The natural buffer which this project would create will become an integral part of the riparian buffer protection effort along the Little Miami so critical to the restoration of the Exceptional Warmwater Habitat criteria along the full length of the Little Miami.

We strongly urge NRAC funding approval and support for this vital project.

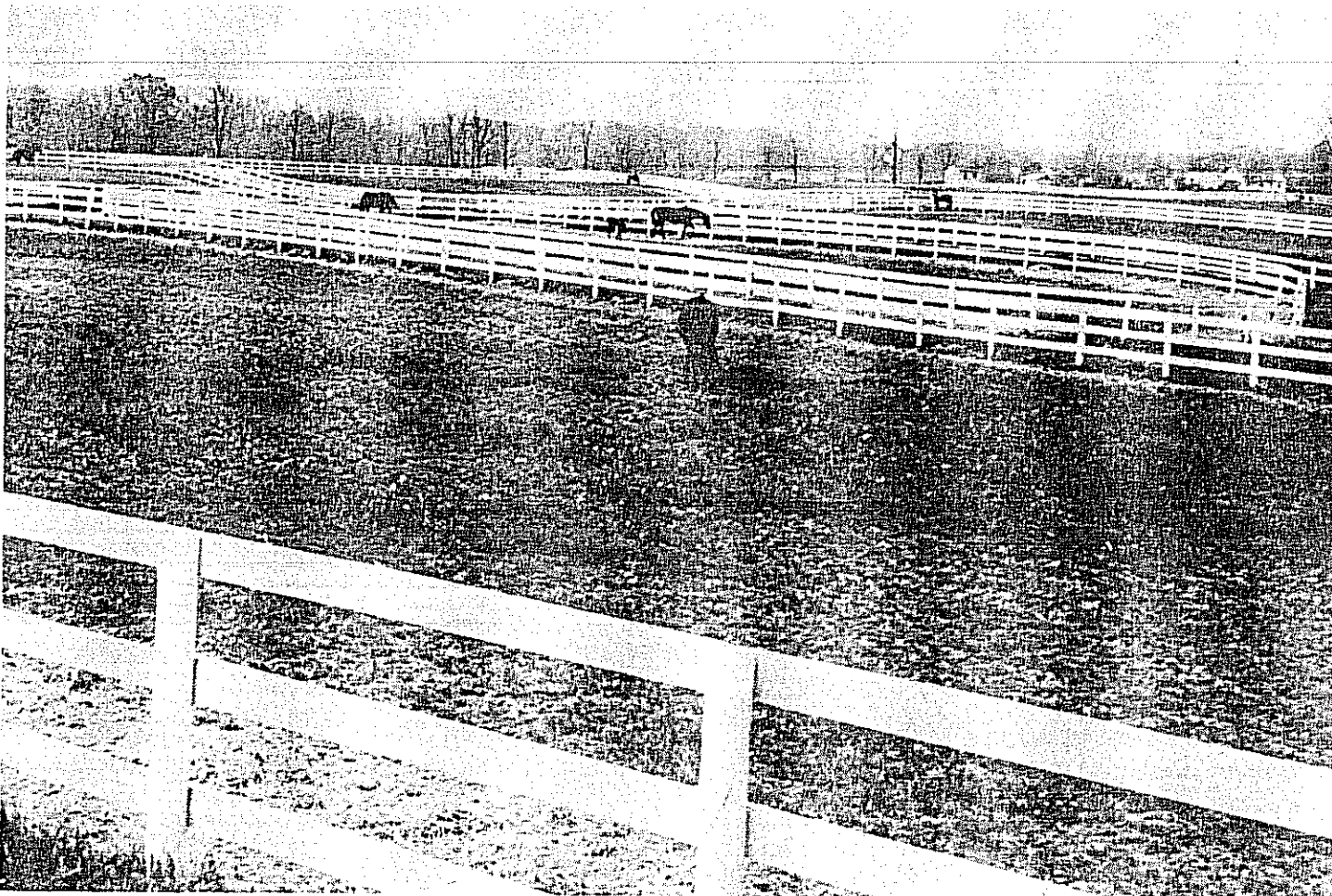
Thank you very much.

Sincerely,

Eric B. Partee  
Executive Director

SOIL SURVEY OF

# Warren County, Ohio



United States Department of Agriculture  
Soil Conservation Service  
In cooperation with  
Ohio Department of Natural Resources  
Division of Lands and Soil  
and the  
Ohio Agricultural Research and Development Center

Issued March 1973



TABLE 3.—*Suitability of soils for elements of wildlife habitat and kinds of wildlife*  
[Suitability was not determined for Cut and fill land, Gravel pits, and Riverwash. A rating of 1 denotes well suited; 2, suited; 3, poorly suited; and 4, not suited]

Soil series and map symbols	Habitat elements								Kinds of wildlife		
	Grain and seed crops	Grasses and legumes	Wild herbaceous upland plants	Hard-wood woody plants	Coniferous woody plants	Wetland food and cover plants	Shallow water developments	Ponds	Open-land wildlife	Wood-land wildlife	Wet-land wildlife
Abasco: AbA-----	1	1	1	1	3	4	4	4	1	1	4
Alford: AfB-----	1	1	1	1	3	4	4	4	1	1	4
Algiers: Ag-----	4	3	3	1	1	1	1	1	3	1	1
Avonburg:											
AvA-----	2	2	1	1	3	2	2	2	1	2	2
AvB, AvB2-----	2	2	1	1	3	3	4	4	1	2	4
Birkbeck: BbB-----	1	1	1	1	3	3	4	3	1	1	4
Blanchester: Bc-----	4	3	3	1	1	1	1	1	3	1	1
Brookston: Br-----	4	3	3	1	1	1	1	1	3	1	1
Casco:											
CcB2-----	2	2	1	2	1	4	4	4	2	2	4
CcC2-----	3	2	1	3	1	4	4	4	2	2	4
Casco-Rodman complex:											
CdD2-----	3	3	2	3	1	4	4	4	3	3	4
Cincinnati:											
CnB, CnB2-----	1	1	1	1	3	4	4	4	1	1	4
CnC2-----	1	1	1	1	3	4	4	4	1	1	4
Clermont: Co-----	3	2	2	1	2	1	1	1	2	2	1
Crider: CrB-----	1	1	1	1	3	4	4	4	1	1	4
Dana:											
DaA-----	1	1	1	1	3	3	3	3	1	2	3
DaB-----	1	1	1	1	3	4	4	4	1	1	4
Eden complexes:											
EdB2-----	2	1	1	1	2	4	4	4	1	1	4
EdC2-----	2	1	1	1	3	4	4	4	1	1	4
EdD2, EdE2, EdF2-----	4	4	1	1	3	4	4	4	3	2	4
Eel: Ee-----	1	1	1	1	3	4	3	3	1	1	4
Fairmount-Eden complexes:											
FaE2, FaF2-----	4	4	3	2	2	4	4	4	4	3	4
Fincastle:											
FhA-----	2	2	1	1	3	2	2	2	1	2	2
FhB-----	2	2	1	1	3	3	3	3	1	2	3
Fox:											
FIA-----	2	1	1	1	3	4	4	4	1	1	4
FIB, FIB2-----	2	1	1	1	3	4	4	4	1	1	4
FIC2-----	2	1	1	1	3	4	4	4	1	1	4
Fox-Casco complex: FoD2-----	3	2	2	2	2	4	4	4	2	2	4
Genesee: Gd, Gn-----	1	1	1	1	3	4	4	4	1	1	4
Hennepin: HeF, HeF2-----	4	2	1	1	3	4	4	4	2	2	4
Hennepin-Miamian complexes:											
HmE, HmE2, HmD3-----	4	2	1	1	3	4	4	4	2	2	4

TABLE 3.—*Suitability of soils for elements of wildlife habitat and kinds of wildlife—Continued*

Soil series and map symbols	Habitat elements								Kinds of wildlife		
	Grain and seed crops	Grasses and legumes	Wild herbaceous upland plants	Hard-wood woody plants	Coniferous woody plants	Wetland food and cover plants	Shallow water developments	Ponds	Open-land wildlife	Wood-land wildlife	Wet-land wildlife
Henshaw: HoB-----	2	2	1	1	3	3	3	3	1	2	3
Hickory:											
HrB2-----	2	1	1	1	3	4	4	4	1	1	4
HrC2, HsC3-----	2	1	1	1	3	4	4	4	1	1	4
HrD2, HsD3-----	3	2	1	1	3	4	4	4	2	2	4
Hickory-Fairmount complexes: HtE2, HtF2-----	3	2	1	1	3	4	4	4	2	2	4
Iva: IvA-----	2	2	1	1	3	2	2	2	1	2	2
Kendallville:											
KeB-----	1	1	1	1	3	4	4	4	1	1	4
KeC2-----	2	2	2	1	3	4	4	4	2	2	4
Kings: Kg-----	4	3	3	1	1	1	1	1	3	1	1
Lanier: Lg-----	3	2	2	1	3	4	4	4	2	2	4
Miamian: MmB3, MmC3-----	2	2	2	1	3	4	4	4	2	2	4
Miamian-Hennepin complex: MmD2-----	2	2	2	1	3	4	4	4	2	2	4
Miamian-Russell complex: MrC2-----	3	2	2	1	3	4	4	4	3	2	4
Muck: Mu-----	4	4	4	4	4	2	1	1	4	4	2
Ockley:											
OcA-----	1	1	1	1	3	4	4	4	1	1	4
OcB, OcB2-----	1	1	1	1	3	4	4	4	1	1	4
Parke:											
PaB-----	1	1	1	1	3	4	4	4	1	1	4
PaD2-----	1	1	1	1	3	4	4	4	1	1	4
Patton: Pb, Pc-----	4	3	3	1	1	1	1	1	3	1	1
Plattville: PlB-----	2	1	1	1	3	4	4	4	1	1	4
Princeton:											
PrB-----	1	1	2	1	3	4	4	4	1	1	4
PrC2-----	2	1	1	1	3	4	4	4	1	1	4
Ragsdale: Ra-----	4	3	3	1	1	1	1	1	3	1	1
Rainsboro:											
RbA-----	1	1	1	1	3	3	3	3	1	2	3
RbB-----	2	1	1	1	3	4	4	4	1	2	4
Reesville: Re-----	2	2	1	1	3	2	2	2	1	2	2
Rodman and Casco: RkE2-----	4	4	3	3	1	4	4	4	4	3	4
Ross: Rn-----	1	1	1	1	3	4	4	4	1	1	4
Rossmoyne:											
RpA-----	1	1	1	1	3	3	3	3	1	2	3
RpB, RpB2, RsB3-----	1	1	1	1	3	4	4	4	1	2	4
RpC2, RsC3-----	2	1	1	1	3	4	4	4	1	2	4
Russell-Miamian complexes:											
RvA-----	1	1	1	1	3	4	4	4	1	1	4
RvB, RvB2-----	1	1	1	1	3	4	4	4	1	1	4

TABLE 3.—Suitability of soils for elements of wildlife habitat and kinds of wildlife—Continued

Soil series and map symbols	Habitat elements								Kinds of wildlife		
	Grain and seed crops	Grasses and legumes	Wild herbaceous upland plants	Hard-wood woody plants	Coniferous woody plants	Wetland food and cover plants	Shallow water developments	Ponds	Open-land wildlife	Wood-land wildlife	Wet-land wildlife
Shoals: Sh.....	2	2	1	1	3	2	2	3	1	2	2
Sloan: So.....	4	3	3	1	1	2	2	4	3	1	3
Uniontown: UnB.....	1	1	1	1	3	3	4	3	1	1	3
Warsaw:											
Wa A.....	2	1	1	1	3	4	4	4	1	1	4
Wa B.....	2	1	1	1	3	4	4	4	1	1	4
Wea: We A.....	1	1	1	1	3	4	4	4	1	1	4
Williamsburg:											
W1A, W1B.....	1	1	1	1	3	4	4	4	1	1	4
W1C2.....	2	1	1	1	3	4	4	4	2	1	4
Wynn:											
Wy B, Wy B2.....	2	1	1	1	3	4	4	4	1	1	4
Wy C2, Wy C3.....	2	1	1	1	3	4	4	4	1	1	4
Xenia:											
Xe A.....	1	1	1	1	3	3	3	3	1	1	3
Xe B, Xe B2.....	1	1	1	1	3	4	4	4	1	1	4

*Coniferous woody plants* are cone-bearing, evergreen trees and shrubs that are used by wildlife primarily as cover, though they also provide browse and seeds. Among them are Norway spruce, white pine, arborvitae, red-cedar, and juniper. Generally, the plants are established naturally in areas where the cover of weeds and sod is thin. The soils that are well suited as coniferous wildlife habitat are those that cause plants to grow slowly and delay closure of the canopy. It is important that branches be maintained close to the ground so that food and cover are readily available to rabbits, pheasants, and other small animals. If the trees quickly form a dense canopy that shuts out the sunlight, the lower branches die.

On soils that are poorly suited as coniferous wildlife habitat, widely spaced plants may quickly, though temporarily, show the desired growth characteristics. Establishment or maintenance of wildlife habitat, however, is difficult because these soils are well suited to competing hardwoods. Unless the stand is carefully managed, hardwoods invade and commonly overtop the conifers.

*Wetland food and cover plants* are wild, herbaceous, annual and perennial plants that grow on moist to wet sites. They include smartweed, wild millet, rush, bulrush, spike-rush, sedges, burreed, wildrice, buttonbush, rice cutgrass, and cattail.

*Shallow water developments* are impoundments or excavations that provide areas of shallow water near food and cover used by wetland wildlife. Examples are shallow dugouts, level ditches, blasted potholes, and devices that keep the water 6 to 24 inches deep in marshes.

*Ponds* are dug-out areas of water, or a combination of these areas and impoundments behind low dikes, in which the water is at a depth suitable for producing fish or wild-

life. If fish are produced, part of the pond should be at least 6 feet deep.

**Kinds of wildlife**

The three kinds of wildlife for which table 3 rates the suitability of the soils in the county as wildlife habitat are described in the following paragraphs.

*Openland wildlife* are pheasants, quail, meadowlarks, field sparrows, doves, cottontail rabbits, red foxes, and woodchucks. These birds and mammals normally make their home in areas of cropland, pasture, meadow, and lawns and in areas overgrown with grasses, herbs, and shrubs.

*Woodland wildlife* are woodcocks, thrushes, vireos, scarlet tanagers, woodpeckers, gray squirrels, fox squirrels, gray foxes, white-tailed deer, raccoons, and opossums. They obtain food and cover in stands of hardwoods, coniferous trees, shrubs, or a mixture of these plants.

*Wetland wildlife* are ducks, geese, rails, herons, shore birds, mink, and muskrats. These birds and mammals normally make their home in wet areas, such as ponds, marshes, and swamps.

Each rating under "Kinds of wildlife" in table 3 is based on the ratings listed for the habitat elements in the first part of the table. For openland wildlife the rating is based on the ratings shown for grain and seed crops, grasses and legumes, wild herbaceous upland plants, hardwood plants, and coniferous woody plants. The rating for woodland wildlife is based on the ratings listed for all the elements except grain and seed crops. For wetland wildlife the rating is based on the ratings shown for wetland food and cover plants, shallow water developments, and ponds.



## The City of Loveland

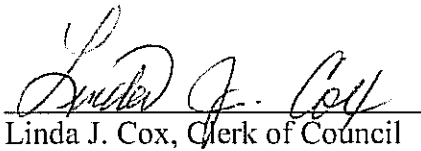
120 W. Loveland Avenue  
Loveland, Ohio 45140

June 28, 2006

To Whom It May Concern:

I hereby certify that the attached is true and accurate copy of Resolution 2006-52

which was approved by Loveland City Council on June 27, 2006.



Linda J. Cox, Clerk of Council  
City of Loveland, Ohio

RESOLUTION 2006 - 52

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO  
FILE AN APPLICATION WITH THE OHIO PUBLIC WORKS  
COMMISSION FOR CLEAN OHIO CONSERVATION FUNDS**


**WHEREAS,** The Ohio Public Works Commission has grants available from the Clean Ohio Conservation Program funds; and

**WHEREAS,** it is in the best interest of the City of Loveland to take advantage of the opportunities provided by this program by applying for funding.

**NOW, THEREFORE, BE IT RESOLVED** by the Council of the City of Loveland, Hamilton, Clermont, and Warren Counties, Ohio;

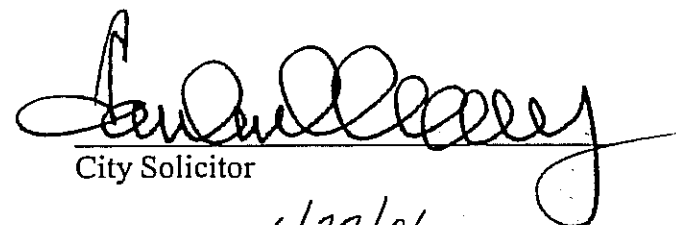
**Section 1.** That the Council of the City of Loveland hereby authorizes the City Manager to submit applications and to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

**Section 2.** This Resolution shall take effect from and after its passage.

  
\_\_\_\_\_  
Mayor

  
\_\_\_\_\_  
Clerk of Council

Approved as to Form:

  
\_\_\_\_\_  
City Solicitor

Passed: 6/27/06



*P.O. Box 111  
Loveland, OH 45140  
Phone (513) 683-1544  
Fax (513) 683-5449  
[www.lovelandchamber.org](http://www.lovelandchamber.org)*

To Whom It May Concern:

On behalf of the Board of Trustees of the Loveland Chamber of Commerce, I am writing in support of the City of Loveland's Clean Ohio grant application.

We recognize that the citizens of Loveland place a high value on their outdoor recreation opportunities and are very adamant about protecting these venues. This creates a large and beneficial economic benefit to the City in the form of tourism and related jobs.

Not only will this purchase be environmentally important to residents, but more importantly it will be a major investment in the long term protection of the Loveland drinking water wells. These wells serve the entire population of City, including its businesses. If the wells were to be compromised and surface water had to be used in their place, there would be a significant increase in water rates, and that translates to a distinct increase in overhead for our businesses. We therefore support The City's effort to protect our drinking water supply.

As a show of support for Loveland Wellhead Protection Project, the Loveland Area Chamber of Commerce offers to cover the closing costs of the purchase up to but not exceeding the amount of \$1,000.

Respectfully,

A handwritten signature in black ink, appearing to read "Paulette Leeper". The signature is fluid and cursive, with a large initial "P" and "L".

Paulette Leeper  
Executive Director,  
Loveland Area Chamber of Commerce  
510 W Loveland Ave  
Loveland, OH 45140  
513-683-1544

July 14, 2006

Tom Carroll  
City Manager  
City of Loveland  
120 West Loveland Ave  
Loveland, OH 45140

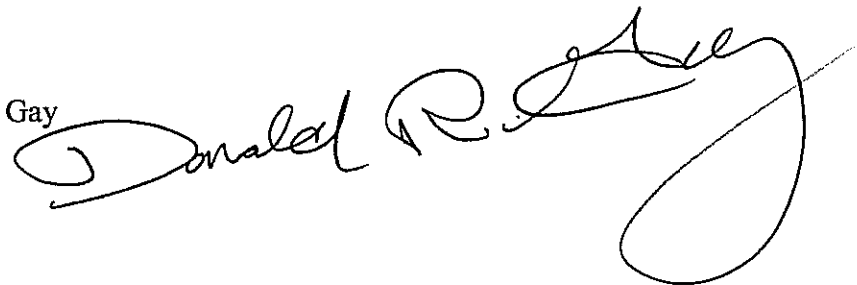
Tom:

I agree to sell the 8 acres in question at a price of \$70,000 per acre. It is my understanding that there will be a boundary survey conducted at The City's expense to determine the actual acreage. Furthermore it is understood that I will donate the appraised value of the property less the state and local contributions to the project.

This contract will be conditional on a Phase I environmental assessment and an appraisal. The City of Loveland will pay \$5,000 in earnest money to be counted towards the total price if the grant is successful, and to be kept by myself even if the grant is unsuccessful and there is no sale. We will sign a contract the week of July 17<sup>th</sup> 2006.

The City of Loveland and I will close within 6 months of receiving the grant, assuming all contingencies are approved.

Don Gay

A handwritten signature in black ink, appearing to read "Donald R. Gay". The signature is stylized with a large, looping "D" and a long, sweeping underline that extends to the right.



## The City of Loveland

120 W. Loveland Avenue  
Loveland, Ohio 45140

July 14, 2006

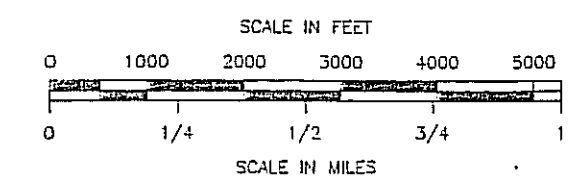
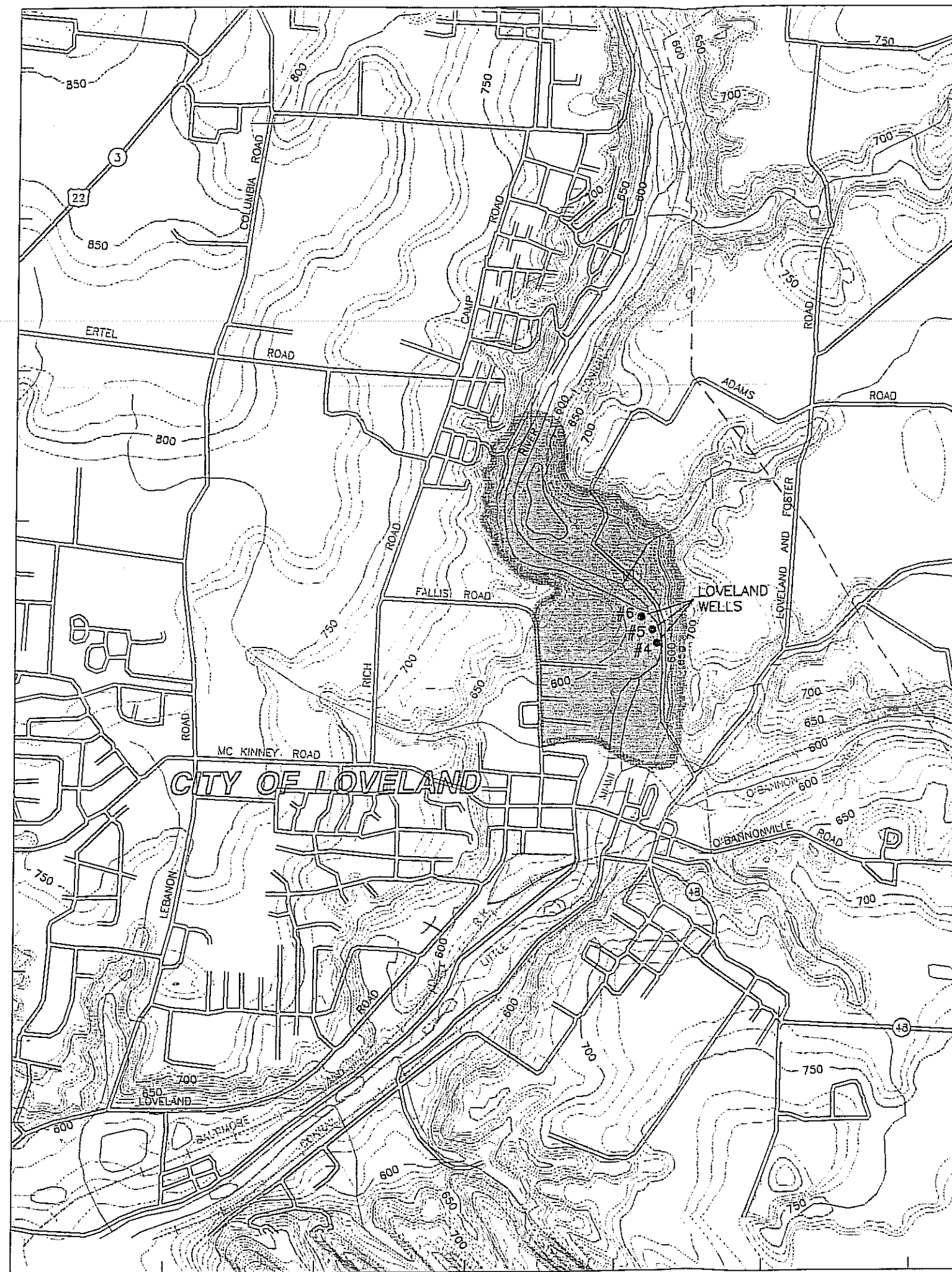
I, Finance Director of The City of Loveland, hereby certify that The City of Loveland has the amount of \$100,000 in the Water Fund and that this amount will be used to pay the applicant revenues for the Loveland Wellhead Protection Acquisition when it is required.


7-14-06

William Taphorn  
Finance Director  
City of Loveland  
120 West Loveland Ave  
Loveland, OH 45140



Exhibit C




 WELLHEAD PROTECTION AREA  
(280.0 Acres)

**FIGURE 1**

LOVELAND, OHIO  
DELINEATION OF WELLHEAD PROTECTION AREA

**WELLHEAD PROTECTION AREA**

 Jones & Henry Engineers, Inc.

## Individual Park Inventory and Analysis

Table 5: Park and Recreation Resources Inventory

					FACILITIES													
Site ID.	Facility Name	Park Type	Devel. Acres	Total Acres	Track & Field	Tennis Courts	Baseball/ Softball	Volleyball	Football	Soccer Fields	Basketball Goals	Playground	Trails (Miles)	Picnic Shelter	Rest rooms	Swimming Pool	Gym	Other Comments
	Loveland City Parks																	
	Phillips Park	Community	35	35.0			3			4	2	1		1	1			3 drinking fountains
	Kiwanis Park	Community	18.9	18.9			2				2	1						no drinking fountain
	East Loveland Nature Preserve	Nature Preserve	1	16.8			1						1					no drinking fountain
	Boike Park	Neighborhood	9	9.0		4			1			1			1			1 drinking fountain
	McCoy Park	Neighborhood	8.4	8.4		2	2				2	1			1			1 drinking fountain
	Lever Park	Neighborhood	7.9	7.9		3	2				2	1			1			1 drinking fountain
	Nisbet Park	Neighborhood	5.1	5.1								1		2	1			Amphitheater 1 drinking fountain
	Betty Ray Park	Neighborhood	4	4.0						3								Well field
	Veterans Park	Special Use	1.6	1.6														1 drinking fountain
	Village Anniversary Park	Mini-Park	0.8	0.8														Gazebo 1 drinking fountain
	Robinson Park	Mini-Park	0.44	1.2						1								no drinking fountain
	Cherokee Tot Lot	Mini-Park	0.2	0.2								1						
	Navaho Tot Lot	Mini-Park	0.2	0.2								1						
	Hidden Creek Park	Linear	0	25.5									0.4					
	White Pillars	Special Use	1	13.0														
	Subtotal - Loveland Parks		93.54	147.6	0	9	10	0	1	8	8	8	1.4	3		0	0	
	Undeveloped Open Space																	
	North of Hidden Creek		0	28.9														
	Loveland-Madeira Rd at City Limit		0	7.2														
	Behind Loveland Elementary		0	16.6														
	Behind Quail Woods		0	20.7														
	Mather Property		0	11.5														
	Pfarr Lane		0	0.8														

Individual Park Inventory and Analysis

Site ID.	Facility Name	Park Type	Devel. Acres	Total Acres	FACILITIES													Other Comments
					Track & Field	Tennis Courts	Baseball/ Softball	Volleyball	Football	Soccer Fields	Basketball Goals	Playground	Trails (Miles)	Picnic Shelter	Rest rooms	Swimming Pool	Gym	
	River Road		0	14.4														
	Along Butterworth Rd.		0	4.4														
	Behind Hawks Ridge		0	12.7														
	Adjacent to Betty Ray Park		0	3.0														
	Simpson Park		0	43.7														
	Bishop Park		0	2.6														
	Subtotal - Other Parks		0	166.41	0	0	0	0	0	0	0	0	0	0		0	0	
	Public Schools																	
	Loveland High School	Community	15.5	40.4	1		1		1	3								
	Loveland Intermediate School	Neighborhood	7.5	7.5	1		3			1	4							
	Loveland Elementary	Mini-Park	1	1							6	1						
	Loveland Early Childhood	Neighborhood	1.5	1.5			2					1						
	Subtotal - Public Schools		25.5	50.4	2	0	6	0	1	4	10	2	0	0		0	0	
	State Parks																	
	Little Miami Scenic Bike Trail	Linear	4.5	4.5									1					Part of a 70 mile paved path
	TOTAL		123.54	368.91	2	9	16	0	2	12	18	10	2	3	0	0	0	

not counted or maintained by the city



This map is one of a set compiled in 1970 as part of a soil survey by the United States Department of Agriculture, the Ohio Department of Natural Resources, Division of Lands and Soil, and the Ohio Agricultural Research and Development Center. Land division corners are approximately positioned on this map.

